



Dakota County Stormwater Retrofit Partnership



Clean Water Funds: 2010

Clean Water Grant	\$150,000
Leveraged Funds*	\$57,846
Total Project Budget	\$207,846

* Leveraged Funds include required 25% local match

Targeted Water:

County/Watershed Wide

Project Sponsor:

Dakota County Soil and Water Conservation District

Partners:

City of Burnsville, City of South St. Paul, City of Farmington, and Farmington Area Schools (ISD 192)

Grant Period:

January 2010 - December 2011

Project Contact:

Laura Jester
(651) 480-7777
laura.jester@co.dakota.mn.us
www.dakotawcd.org



Project Narrative

Through the Stormwater Retrofit Partnership, the Dakota Soil and Water Conservation District (DSWCD) provides the funding and technical assistance to prioritize and install Best Management Practices (BMPs) at existing public facilities. This project is needed because, like other urban properties that developed before stormwater regulations, most government owned facilities were designed and constructed without optimal water quality features. Left as they are, the existing roofs, parking lots, and other hard surfaces at sites like city halls, libraries, fire stations, and schools will continue to contribute polluted runoff to our lakes, streams and wetlands.

This project uses mapping technology and pollutant load analyses to select and install innovative stormwater practices that have the most benefit, for the least cost, in priority locations. The locations are identified in local water plans, Total Maximum Daily Load studies or local capital improvement plans. In 2010, four local government partners completed stormwater retrofit practices at five sites that treat stormwater runoff from a total of 13.6 acres of hard surfaces. Combined, these sites are designed to capture approximately 4,500 lbs of sediment, 8 lbs of phosphorus and reduce runoff volume by three million gallons (9 acre-ft) annually.

The Partnership gets conservation on the ground because Clean Water Funds leverage and supplement resources that local governments can bring to projects. Partners can also contribute by providing the available land space needed for the BMP, permits, construction administration (contractor, materials, and equipment) and future maintenance costs. This project uses the DSWCD's existing cost share policies and technical assistance for everything from site inventories to design, construction oversight, and field verification to ensure quality control from beginning to end.



Dakota County Stormwater Retrofit Partnership



Before: S. St. Paul Stormwater Retrofits at Wakota Ice Arena



After: S. St. Paul Stormwater Retrofits at Wakota Ice Arena



Biofiltration cells (2,075 sq. ft)
Snowmelt Area BMPs (2,146 sq. ft)